

# XIS-7858DVS™



## PRODUCT HIGHLIGHTS

Dual View X-Ray Generators

Enhanced Material Discrimination

High Image Resolution

Real-Time Diagnostics

Minimal System Profile

The XIS-7858DVS™ is a dual-view X-Ray Inspection System (XIS) with a minimal system profile, designed for screening small-to-medium objects in confined spaces at airports, logistics centers, government buildings, industrial sites, and military bases.

The dual generators provide two views of scanned objects, diagonally from below and horizontally from the side. Each perspective can be manipulated independently on separate monitors, allowing operators to examine an object simultaneously in different screening modes. This unique configuration produces sharper images while also enabling the system to function inside a narrow frame.

With Astrophysics best-in-class imaging software, the XIS-7858DVS allows operators to make quick, detailed inspections of complex bags and parcels. Superior imaging ensures higher throughput, making it the ideal solution for high-traffic sites that require a smaller footprint and powerful protection from weapons, explosives, and contraband.

The Astrophysics XIS-7858DVS is designed and assembled in the United States to the highest quality standards. For nearly twenty years, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners.

**GENERAL SPECIFICATIONS**

Tunnel Size:	77.8 cm x 57.9 cm (WxH) 30.6" x 22.8"
Dimensions: <sup>1</sup> (LxWxH)	259.7 cm x 134.6 cm x 147.3 cm 102.2" x 53.0" x 58.0"
Net Weight: <sup>1</sup>	1200 kg (2646 lbs)
Shipping Weight: <sup>1</sup>	1500 kg (3307 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	73 cm (28.7") from Floor
Conveyor Capacity:	165 kg (364 lbs) Evenly Distributed Load

**TECHNICAL**

Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: <sup>2</sup>	39 mm Typical, 37 mm Standard

**X-RAY GENERATOR & IMAGE PERFORMANCE**

Voltage:	Dual 180kV, Operating at 165kV
Tube Current:	Dual 1.2 mA
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Upward, Horizontally Sideward

**COMPUTER & VIDEO**

Platform:	Windows® OS
Memory:	4 GB RAM
Storage Capacity:	1TB HDD, 240 GB SSD
Backup:	Uninterruptible Power Supply (UPS) (Computer Operation)
Display Type:	Dual 19" Flat Panel Color Monitors
Display Resolution:	1280 x 1024; 24 Bit/Pixel Color

**ENVIRONMENTAL**

Operating Temperature:	0°C to 40°C / 32F to 104F
Storage Temperature:	-20°C to 60°C / -4°F to 140°F
Humidity:	Up to 95% Non-Condensing

**ELECTRICAL**

System Power:	110 VAC +/- 10% 50/60Hz, 20 Amp Max 220 VAC +/- 10% 50/60Hz, 15 Amp Max
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**HEALTH & SAFETY**

Compliant with USFDA Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)  
Typical radiation leakage is less than 0.1 mR/hr  
(Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards)



ISO 9001: Certified

<sup>1</sup>Weight and dimensions of the system may vary depending on customization.

<sup>2</sup>As tested on Astrophysics Inc. Test Piece.

<sup>3</sup>Optional Features may affect lead time, price, and weight of product. Please contact your Astrophysics Sales Representative for more information.

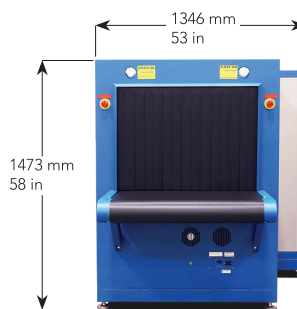
Due to continued product research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.

**STANDARD FEATURES**

- 6 Color Imaging
- Color and Black/White Imaging
- Geometric Image
- Distortion Correction
- High Penetration Function
- Organic/Inorganic Imaging
- Picture Perfect
- Pseudo Color
- Real-Time Image Manipulation
- Reverse Monochrome
- Atomic Z-Number Measurement
- Material Discrimination
- 9 Quadrant Zoom
- Continuous Scanning
- Continuous Zoom Up to 64x
- Vertical Zoom Panning
- Auto Image Archiving
- Image Review
- Save Image (RGB)
- Image Annotation
- JPEG Conversion
- Print Image Capable
- Multi-Tier Accessibility
- Network Ready
- Real-Time Self Diagnostics
- Baggage Counter

**OPTIONAL FEATURES<sup>3</sup>**

- Density Alert
- Local Language
- Safe Passage®
- Computer Based Training
- Screener Assist Software
- Test Case
- Threat Image Projection (TIP) Software
- 24" Flat Panel Monitors
- Custom Paint
- Entry/Exit Roller Tables
- Environmental Kit
- Footmat Operator Interlock
- Heavy Duty Casters
- Long Conveyor
- Radiation Meter
- Remote Workstation Configuration



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